

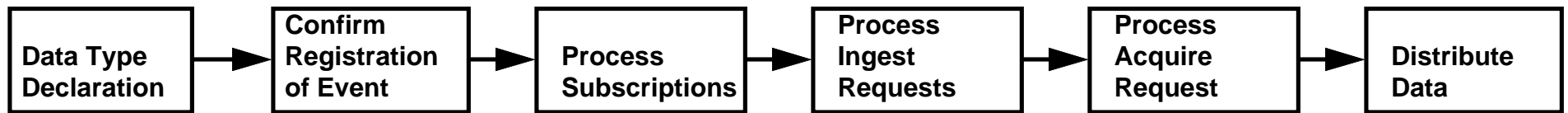
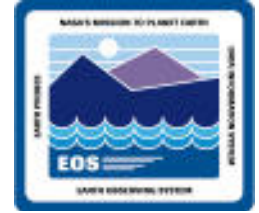
Data Server

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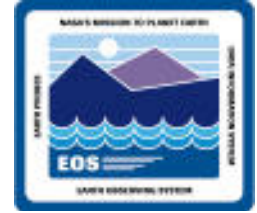
GUI Workshop III
1-2 May 1996

Data Server Track Request Processing



Overview

Summary and Context



•**Summary:** This script is provided to highlight the GUIs used to give the operator insight into the life cycle of an ESDT

•**Context:**

- Declare ESDT
- Confirm Registration of Event
- Archive Data
- Process Subscription
- Distribute Data

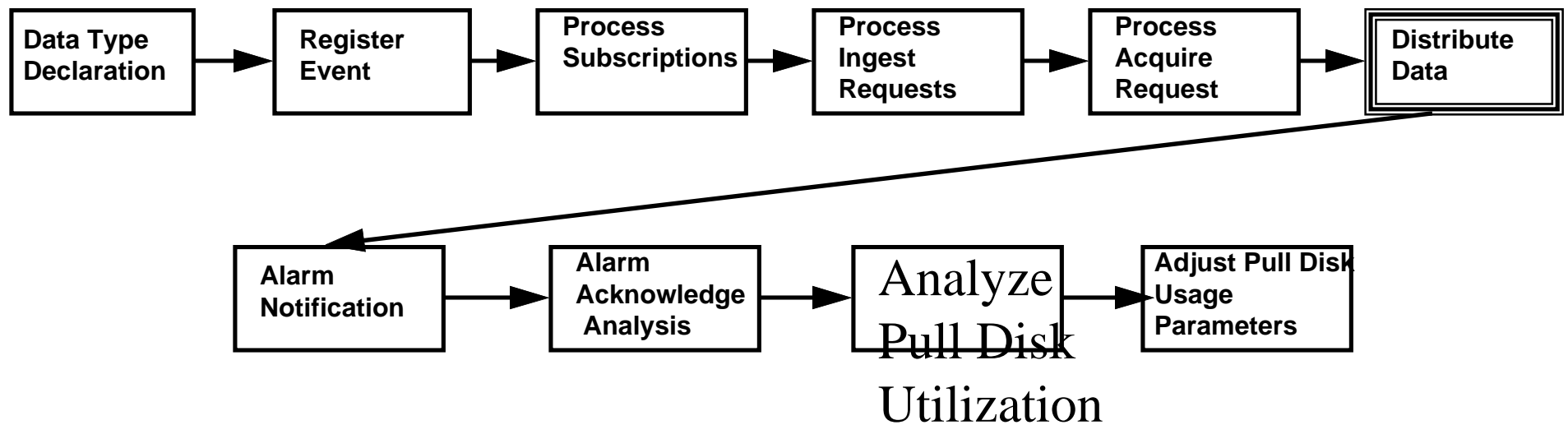
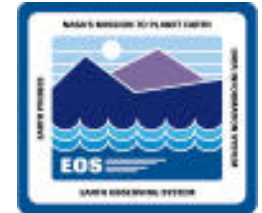
Data Server ESDT Life Cycle

Script 1

STEP #	TIME	PLAYER	ACTIVITY	GUI
1		Science Data Specialist	Science Data Specialist wishes to track the life-cycle of an ESDT	Track Activity window
2	0800	SDS	Science Data Specialist adds an ESDT	Data Types window
3	0801	SDS	Select "ADD" to bring up dialog box	Data Types window
4	0802	SDS	Type Datatype ID, Name, Version, Descriptor filename, DLL filename into dialog box	Data Types window "ADD" dialog box
5	0803	SDS	SDS examines Events screen to verify addition of new ESDT	Events window
6	0900		New service is advertised	Advertisement GUI
7	1000	SDS	SDS wishes to track the insertion request, System Request window displays requests by component	System Request window
8	1001	SDS	Select "filter" to bring up the System Request secondary filter window	System Request window secondary "filter" window
9	1002	SDS	Select "Science Server" to view requests associated with the Science Server component	System Request window secondary "filter" window
10	1002	SDS	Science server insert request can be viewed	System Request window
11	1003	SDS	To monitor further progress, the SDS tabs to the Storage Request window and views the store request for the 3 files which comprise the granule.	Storage Request window

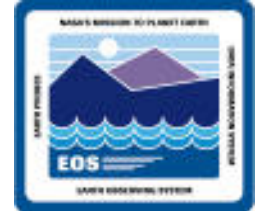
13	1200	SDS	The SDS wishes to determine if any subscriptions have been created for CER02 data. The events window is brought forward which enables the AM to view events.	Events window
14	1201	SDS	The SDS highlights CER02 data and selects view subscriptions to see subscription detail. The detail shows an ongoing subscription for electronic pull of CER02 data.	Events/ View subscriptions window
15	1202	SDS	The subscription line is highlighted and view is selected to view detailed subscription information.	Subscription window
16	1400	SDS	The SDS wishes to view the progress of the insert of the CER02 data as well as verify that the subscription is being handled.	System Requests window
17	1401	SDS	The SDS sees an "Acquire request" which indicates that the insert is complete and the subscription action has been started.	System Requests window
18	1402	SDS	To monitor the progress of the subscription action, the SDS brings the Tracking window forward and sees that an acquire request pull is displayed.	Tracking
19	1403	SDS	The SDS brings the Storage requests window forward and sees the retrieval request for CER02 data.	Storage Request window
20	1404	SDS	To view the staging disk, the SDS brings up the Usage window then tabs to the staging disk window. The 3 files can be seen on the staging disk.	Usage/staging disk window
21	1405	SDS	The SDS brings the tracking window forward and sees 3 moved to the pull area	Tracking window

Data Server Pull Disk Alarm Response



Overview

Summary and Context



•**Summary:** This script is provided to highlight the GUIs used by the Archive Manager to respond to a Pull Disk Alert.

•**Context:**

- Alarm notification
- Alarm Response/Analysis

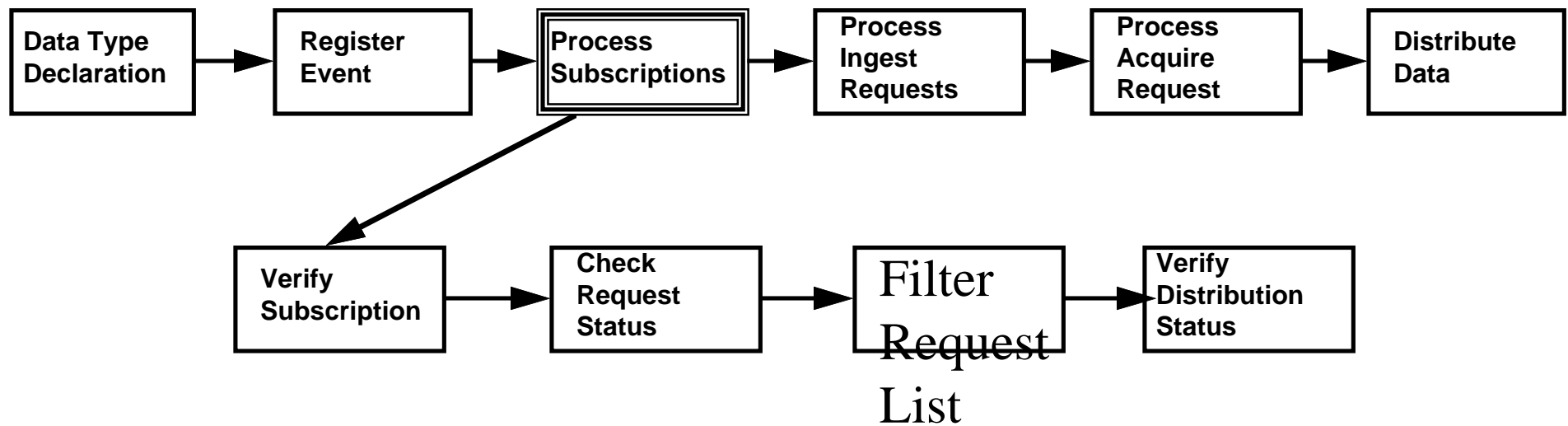
Pull Disk Utilization Analysis

Data Server Pull Area Alarm Response

Script 2

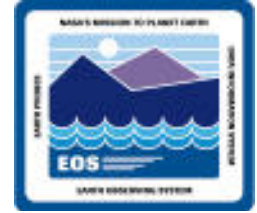
STEP #	TIME	PLAYER	ACTIVITY	GUI
1	1004	Archive Manager	During normal operations, the AM is viewing the Tracking window when an alarm notification is received.	Tracking window
2	1005	AM	The AM acknowledges the alarm by selecting "OK".	Alarm notification
3	1006	AM	The Device Alarm window is brought up by acknowledging the alarm, the information shows that there is a Pull disk alarm.	Device Alarm window
4	1007	AM	The Usage window is brought forward and the AM tabs to the Pull window.	Usage/ Pull window
5	1008	AM	The AM views the High water, Low water, and Alarm threshold settings on the Pull window. The alarm threshold is set at a level between the high and low water marks. The AM wishes to change the alarm threshold to only register an alarm when the high water mark is reached, indicating a file deletion situation.	Usage / Pull window
6	1009	AM	The AM uses the GUI to move the alarm threshold to the desired level.	Usage/ Pull

Data Server Handle Subscription and Distribution Verification



Overview

Summary and Context



•**Summary:** This script is provided to highlight the GUIs used to handle subscription and distribution verification

•**Context:**

- Verify Subscription
- Check Request Status
- Filter Request List
- Verify Distribution Status

Data Server Subscription and Distribution Verification

Script 3

Preconditions:

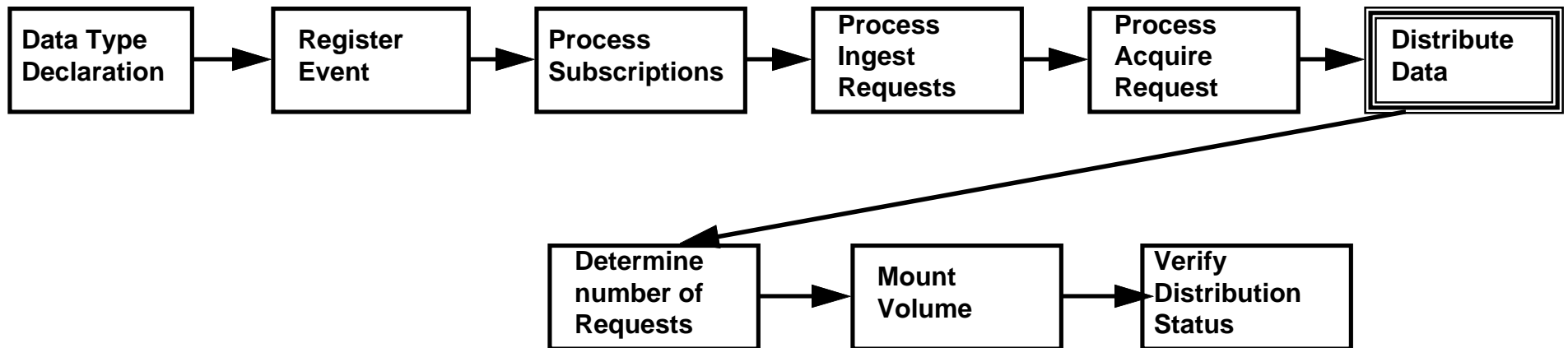
- 1) Subscription for weekly product distribution has been submitted.
- 2) Expected notification for latest distribution has not been received

Steps:

STEP #	TIME	PLAYER	ACTIVITY	GUI
1	1300	User Services Representative	USR responds to call that notification for weekly subscription product was not received.	
2	1301	USR	USR checks PDPS and determines that PGE was run	
3	1302	USR	USR tabs to the Events window and verifies that the subscription is known to the system.	Events/ subscriptions window
4	1303	USR	USR looks through the MSS log to determine status of request but the large amount of data makes the search cumbersome	
5	1304	USR	USR tabs to the Tracking window to determine the current status of the request.	Tracking window
6	1305	USR	USR filters by requestor and request device "electronic pull" to reduce the number of entries to search.	Tracking window

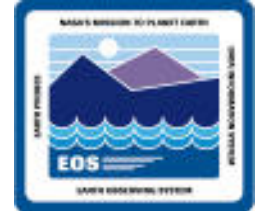
7	1306	USR	USR scans remaining requests and finds the request in question and determines that their status is waiting for shipment	Tracking window
8	1307	USR	Double click on request to view packing list and view files and associated granules	Tracking window
9	1308	USR	USR tabs to Usage and brings the pull area screen forward and verifies that the files have been brought into the pull area.	Usage/pull area window
10	1309	USR	Highlight filename and copy into find area to find file in list.	Usage/pull area window
11	1310	USR	USR verifies reference count and time that file was placed into pull area and notifies user/requestor.	Usage/pull area window

Data Server Handle Subscription and Distribution Verification



Overview

Summary and Context



- **Summary:** This script is provided to highlight the GUIs used to mount volumes into devices and track distribution progress.
- **Context:**
 - Determine number of outstanding requests for a certain distribution type
 - Mount volume into device
 - Verify distribution status

Data Server Distribution Mount Media

Script 4:

Preconditions:

1) Distribution Technician is running low on CD-ROM disks

Steps:

STEP #	TIME	PLAYER	ACTIVITY	GUI
1	1500	Distribution Technician	DT needs to determine the number of pending requests there are for CD-ROM distribution	
2	1501	DT	DT tabs to the Tracking window	Tracking window
3	1502	DT	DT filters on CD-ROM requests and notes that there are 4 CD-ROM requests "pending" and 3 CD-ROM requests "staging"	
4	1503	DT	DT retrieves sufficient CD-ROM disks to satisfy requests.	
5	1504	DT	DT inserts CD-ROM disk into CD-ROM writer	
6	1505	DT	DT tabs to storage resource window and selects "control device" to bring the control device dialog box forward.	Storage Resource/Control Device window
7	1506	DT	DT inputs volume and device information into the dialog box and selects "mount" to mount the volume in the device.	Storage Resources/Control Device window
8	1507	DT	DT tabs to the tracking window and verifies that the request status has changed to "transferring"	Tracking window